6448745

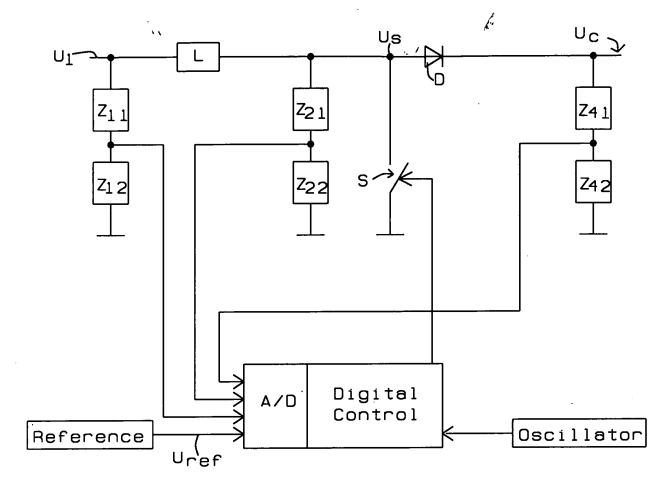


FIG. 1

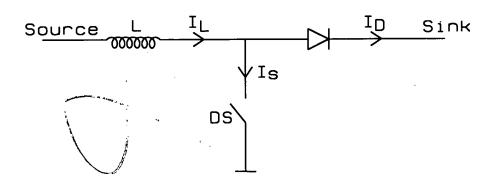
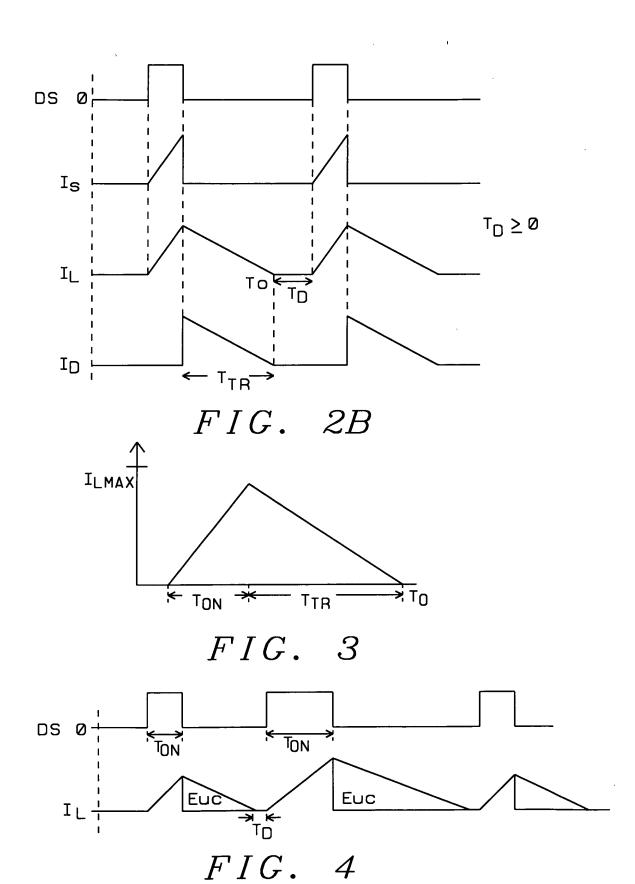


FIG. 2A



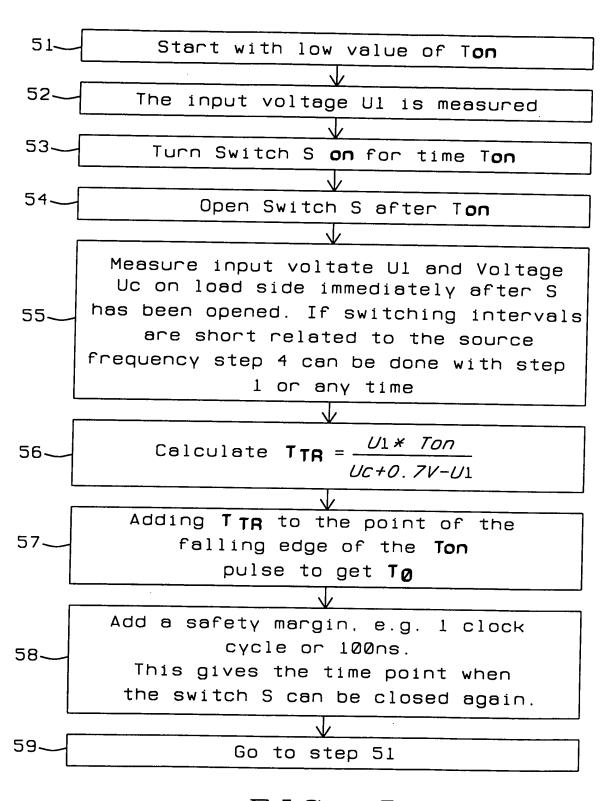


FIG. 5

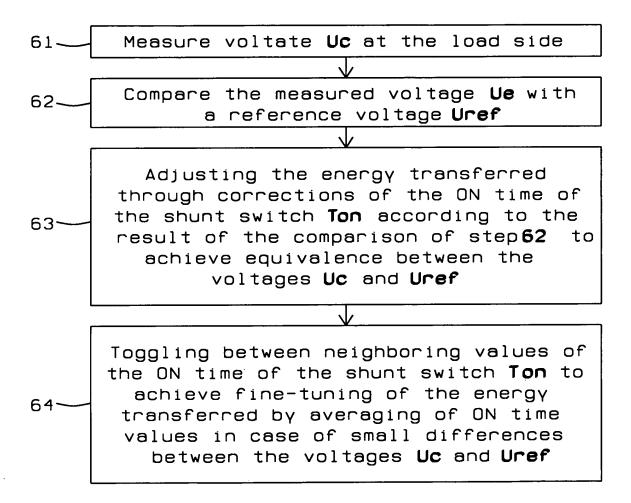


FIG. 6

During deadtime \mathbf{Td} no current is 71~ flowing through the storage indicator Measure voltage dividers ratio Z12+Z11 and during the period no 72current is flowing through the indicator L During the energy transfer time $extsf{T}_{ extsf{tr}}$ diode $oldsymbol{\mathsf{D}}$ is forward biased. The voltage 73across the diode is very low compared to the voltages to be measured The voltage divider ratios <u>Z32</u> Z32+Z31 Z22 74and can be measured during Z22+Z21 energy transfer time Ttr Voltage divider ratios are being calibrated throughout the operation of the boost converter and considered 75to define the real value of the voltages required to control the whole system

FIG. 7